(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 24 March 2005 (24.03.2005)

PCT

(10) International Publication Number WO 2005/027156 A2

(51) International Patent Classification7: 17/00, 19/04

H01F 27/28,

(74) Agent: COHEN, Alan, Nicol; 2 Grove Place, Tatsfield, Westerham, Kent TN16 2BB (GB).

(21) International Application Number:

PCT/GB2004/050011

(22) International Filing Date:

16 September 2004 (16.09.2004)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

0321658.7

16 September 2003 (16.09.2003)

- (71) Applicant (for all designated States except US): SOUTH
- BANK UNIVERSITY ENTERPRISES LTD. [GB/GB]; 103 Borough Road, London, Greater London SE1 0AA (GB).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): ALFORD, Neil, McNeill [GB/GB]; Flat 3, 33 Compayne Gardens, London, Greater London NW6 3DD (GB). SALINAS FLORES, Ener, Orlando [PE/GB]; 201 Norwood Road, London, Greater London SE24 9AF (GB). DIMITRIOU, Stavros [GR/GB]; 15C Floyd Road, Charlton, London, Greater London SE7 8AY (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,

TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,

Declaration under Rule 4.17:

of inventorship (Rule 4.17(iv)) for US only

GW, ML, MR, NE, SN, TD, TG).

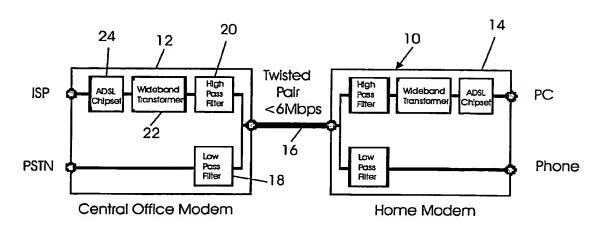
Published:

ZW.

without international search report and to be republished upon receipt of that report

[Continued on next page]

(54) Title: DSL MODEM AND TRANSFORMER



(57) Abstract: A digital subscriber line (DSL) modem (12, 14) comprising a line interface transformer (22) having a primary circuit for coupling to a transmission line and a secondary circuit for outputting a signal transmitted over said transmission line, each circuit being formed of a continuous electrically conductive material and in which the primary circuit and the secondary circuit are substantially parallel and are in substantially the same plane.

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.